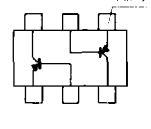
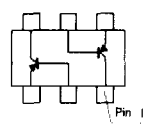
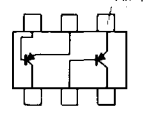
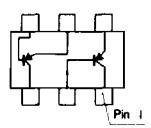
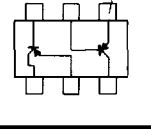
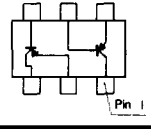
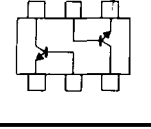
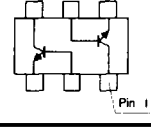
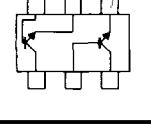
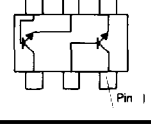
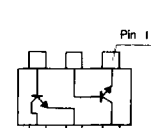
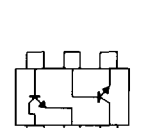
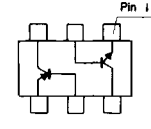
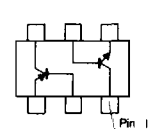
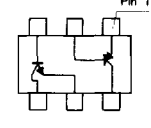
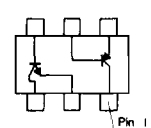
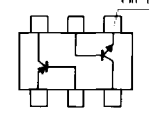
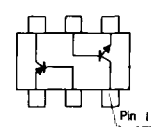


Transistors

UM6 and IMD packages contain two independent transistors in one small surface mount package.

UM6 (Suffix N) • IMD (6 pin type including independent 2 circuits)

Equivalent circuit TOP VIEW		Application	Package		Equivalent product	V _{CEO} (V)	I _c (mA)	h _{FE}	V _{CE} (V)	I _c (mA)
UM6	IMD		UM6	IMD						
		Part No.								
		Pre Amp	UMT1N	IMT1A	2SA1037AK × 2	-40	-100	120~	-6	-1
			-	IMT5A	2SA1037AK × 2	-25	-100	390~	-6	-1
		Pre Amp	UMT2N	IMT2A	2SA1037AK × 2	-40	-100	120~	-6	-1
			-	IMT17	2SA1036K × 2	-50	-500	120~390	-3	-100
		Pre Amp	UMT3N	IMT3A	2SA1037AK × 2	-40	-100	120~	-6	-1
			-	IMT4	2SA1514K × 2	-120	-50	180~	-6	-2
		Pre Amp	UMX1N	IMX1	2SC2412K × 2	40	100	120~	6	1
			-	IMX9	2SD2114K × 2	20	500	560~2700	3	10
			-	IMX17	2SD1484K × 2	50	500	120~390	3	100
		Pre Amp	UMX2N	IMX2	2SC2412K × 2	40	100	120~	6	1
			UMX6N	IMX6	2SC2413K × 2	25	50	56~	6	1
		Pre Amp	UMX3N	IMX3	2SC2412K × 2	40	100	120~	6	1
			-	IMX8	2SC3906K × 2	120	50	180~	6	2
		TV Tuner Mix. Osc.	UMX4N	IMX4	2SC3837K × 2	18	50	56~180	10	10
			UMX5N	IMX5	2SC3838K × 2	11	50	56~180	10	5
		Switching	UMX11N	IMX11	2SC2059K × 2	20	20	39~180	6	1
UMX12N	-		2SC4699K × 2	20*	200	39~180	5	5		
UMX13N	-	2SC4911K × 2	20*	200	56~180	5	5			
		Pre Amp	UMZ1N	IMZ1A	2SA1037AK	-40	-100	120~	-6	-1
					2SC2412K	40	100	120~	6	1
		Pre Amp	UMZ2N	IMZ2A	2SA1037AK	-40	-100	120~	-6	-1
					2SC2412K	40	100	120~	6	1
		Pre Amp	-	IMZ3A	2SA1037AK	-25	-100	390~	-6	-1
					2SD2226K	50	100	820~2700	5	1

* V_{CES}

●Product Designation

- When ordering, specify the type.
- Check each code against the tables shown below.
- Fill a space with the next character.



Part No.

Special code

- Omit for standard product.
- Factory assigned for custom product.

Packaging

Package	Code	Packaging type	Packaging style	Direction	Quantity /Package (pcs)
UM6 (Suffix N)	TL	Taping	Embossed reel tape	Pin 1 mark side opposite of sprocket hole side	3,000
	TR			Pin 1 side on sprocket hole side	
	TN			Non-directional *	
IMD	T108	Taping	Embossed reel tape	Pin 1 mark side opposite of sprocket hole side	3,000
	T109			Pin 1 side on sprocket hole side	
	T110			Non-directional *	

(Unit : mm)

Package	UM6 (Suffix N)	IMD (SOT-36)		
Dimensions	<p>TOP VIEW</p> <p>Each lead has same dimensions</p>	<p>TOP VIEW</p> <p>Each lead has same dimensions</p>		
	Actual size	Enlarged (×3.0)	Actual size	Enlarged (×3.0)

●Packaging Specifications

(Unit : mm)

UM6 (Suffix N) IMD	Reel	Tape																		
		<table border="1"> <thead> <tr> <th rowspan="2">Package</th> <th colspan="3">Size</th> </tr> <tr> <th>A</th> <th>B</th> <th>C</th> </tr> </thead> <tbody> <tr> <td>UM6</td> <td>2.2±0.1</td> <td>2.4±0.1</td> <td>1.15±0.1</td> </tr> <tr> <td>IMD</td> <td>3.1±0.1</td> <td>3.2±0.1</td> <td>1.35±0.1</td> </tr> </tbody> </table>	Package	Size			A	B	C	UM6	2.2±0.1	2.4±0.1	1.15±0.1	IMD	3.1±0.1	3.2±0.1	1.35±0.1			
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		<table border="1"> <thead> <tr> <th>Package</th> <th>Code</th> <th>Package</th> <th>Code</th> <th>Package</th> <th>Code</th> </tr> </thead> <tbody> <tr> <td>UM6</td> <td>TL</td> <td>UM6</td> <td>TR</td> <td>UM6</td> <td>TN</td> </tr> <tr> <td>IMD</td> <td>T109</td> <td>IMD</td> <td>T108</td> <td>IMD</td> <td>T110</td> </tr> </tbody> </table> <p>* (Non-directional)</p>	Package	Code	Package	Code	Package	Code	UM6	TL	UM6	TR	UM6	TN	IMD	T109	IMD	T108	IMD	T110
Package	Code	Package	Code	Package	Code															
UM6	TL	UM6	TR	UM6	TN															
IMD	T109	IMD	T108	IMD	T110															

*Non-directional means Pin 1 may be toward or opposite the sprocket hole side when the devices inside are symetrical.