

Transistors

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

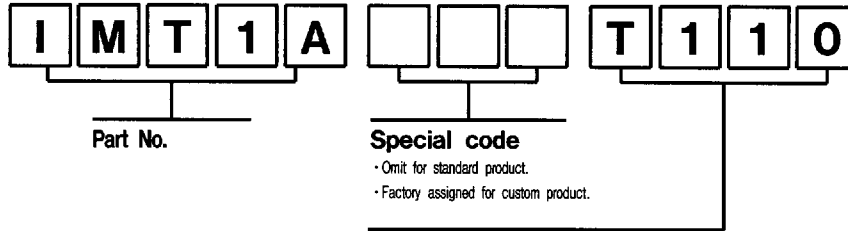
UM6 (Suffix N) • IMD (6 pin type including independent 2 circuits)

Equivalent circuit		Application	Package		Equivalent product	V _{CEO} (V)	I _c (mA)	h _{FE}	V _{CE} (V)	I _c (mA)
TOP VIEW			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.



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

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

Reel

Tape

Feeding direction

Sprocket hole

Pin 1 (IMD)

Pin 1 (UM6)

Pin 1 (IMD)

Pin 1 (UM6)

A B C

Package	Code
UM6	TL
IMD	T109

Package	Code
UM6	TR
IMD	T108

* (Non-directional)

Package	Code
UM6	TN
IMD	T110

7828999 0009574 01T

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