

7828999 0007749 941 RHM

{ 6 pin type including 2 Independent circuits }

Tow transistors with built-in resistors (digital transistors) in 2125 type and 2916 type packages. The two digital transistors are completely independent from each other. By making use of element saving feature, external circuit can be in any configuration.

■UM6 · IMD

●Built-in 2 resistors

Equivalent circuit TOP VIEW	Application	Package		Equivalent product	Resistance value		V _{CC} (V)	I _o (mA)	G _i	Vo (V)		I _o (mA)	
		UM6	IMD		R ₁ (kΩ)	R ₂ (kΩ)				Vo (V)	I _o (mA)		
		Type											
	Inverter Driver	UMB1	IMB1	DTA 124EK × 2	22	22	-50	-30	56~	-5	-5		
		UMB2	IMB2	DTA 144EK × 2	47	47	-50	-30	68~	-5	-5		
		UMB9	IMB9	DTA 114YK × 2	10	47	-50	-70	68~	-5	-5		
		UMB10	IMB10	DTA 123JK × 2	2.2	47	-50	-100	80~	-5	-10		
		UMB11	IMB11	DTA 114EK × 2	10	10	-50	-50	30~	-5	-5		
		UMB5	IMB5	DTA 124EK × 2	22	22	-50	-30	56~	-5	-5		
		UMB6	IMB6	DTA 144EK × 2	47	47	-50	-30	68~	-5	-5		
		UMH1	IMH1	DTC 124EK × 2	22	22	50	30	56~	5	5		
		UMH2	IMH2	DTC 144EK × 2	47	47	50	30	68~	5	5		
		UMH9	IMH9	DTC 114YK × 2	10	47	50	70	68~	5	5		
		UMH10	IMH10	DTC 123JK × 2	2.2	47	50	100	80~	5	10		
	UMH11	IMH11	DTC 114EK × 2	10	10	50	50	30~	5	5			
	UMH5	IMH5	DTC 124EK × 2	22	22	50	30	56~	5	5			
	UMH6	IMH6	DTC 144EK × 2	47	47	50	30	68~	5	5			
	UMD2	IMD2	DTA 124EK DTC 124EK	22 22	22 22	-50 50	-30 30	56~ 56~	-5 5	-5 5			
	UMD3	IMD3	DTA 114EK DTC 114EK	10 10	10 10	-50 50	-50 50	30~ 30~	-5 5	-5 5			
	-	IMD9	DTA 114YK DTC 114YK	10 10	47 47	-50 50	-70 70	68~ 68~	-5 5	-5 5			

●Built-in 1 resistor

Equivalent circuit TOP VIEW	Application	Package		Equivalent product	Resistance value	V _{CE0} (V)	I _c (mA)	h _{FE}	Vo (V)		I _o (mA)	
		UM6	IMD		R ₁ (kΩ)				Vo (V)	I _o (mA)		
		Type										
	Inverter Driver	UMB3	IMB3	DTA 143TK × 2	4.7	-50	-100	100~600	-5	-1		
		UMB4	IMB4	DTA 114TK × 2	10	-50	-100	100~600	-5	-1		
		UMB7	IMB7	DTA 143TK × 2	4.7	-50	-100	100~600	-5	-1		
		UMB8	IMB8	DTA 114TK × 2	10	-50	-100	100~600	-5	-1		
		-	IMB14	DTA 144TK × 2	47	-50	-100	100~600	-5	-1		
		UMH3	IMH3	DTC 143TK × 2	4.7	50	100	100~600	5	1		
		UMH4	IMH4	DTC 114TK × 2	10	50	100	100~600	5	1		
		-	IMH15	DTC 144TK × 2	47	50	100	100~600	5	1		
		UMH7	IMH7	DTC 143TK × 2	4.7	50	100	100~600	5	1		
		UMH8	IMH8	DTC 114TK × 2	10	50	100	100~600	5	1		
		-	IMH14	DTC 144TK × 2	47	50	100	100~600	5	1		
		-	IMD1	DTA 124TK DTC 124TK	22 22	-50 50	-100 100	100~600 100~600	-5 5	-1 1		
		UMD6	IMD6	DTA 143TK DTC 143TK	4.7 4.7	-50 50	-100 100	100~600 100~600	-5 5	-1 1		

Tr Digital Transistors <Surface Mounted types>

■ 7828999 0007750 663 ■ RHM

[6 pin type including 2 Independent circuits]

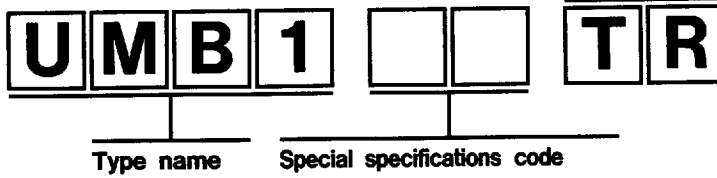
● Ordering Designation

Specify type code in order sheet.

Type designation consists of type name, special specifications and package specifications.

Package	UM6	IMD
Code	TL	T109
	TR	T108
	TN	T110

Package specifications code



(Unit : mm)

Package	UM6	IMD
Dimensions	<p>Each lead has same dimensions.</p>	<p>Each lead has same dimensions.</p>
Real size	■	■
Magnification shape (×3.0)		

Future shape will be as shown right.

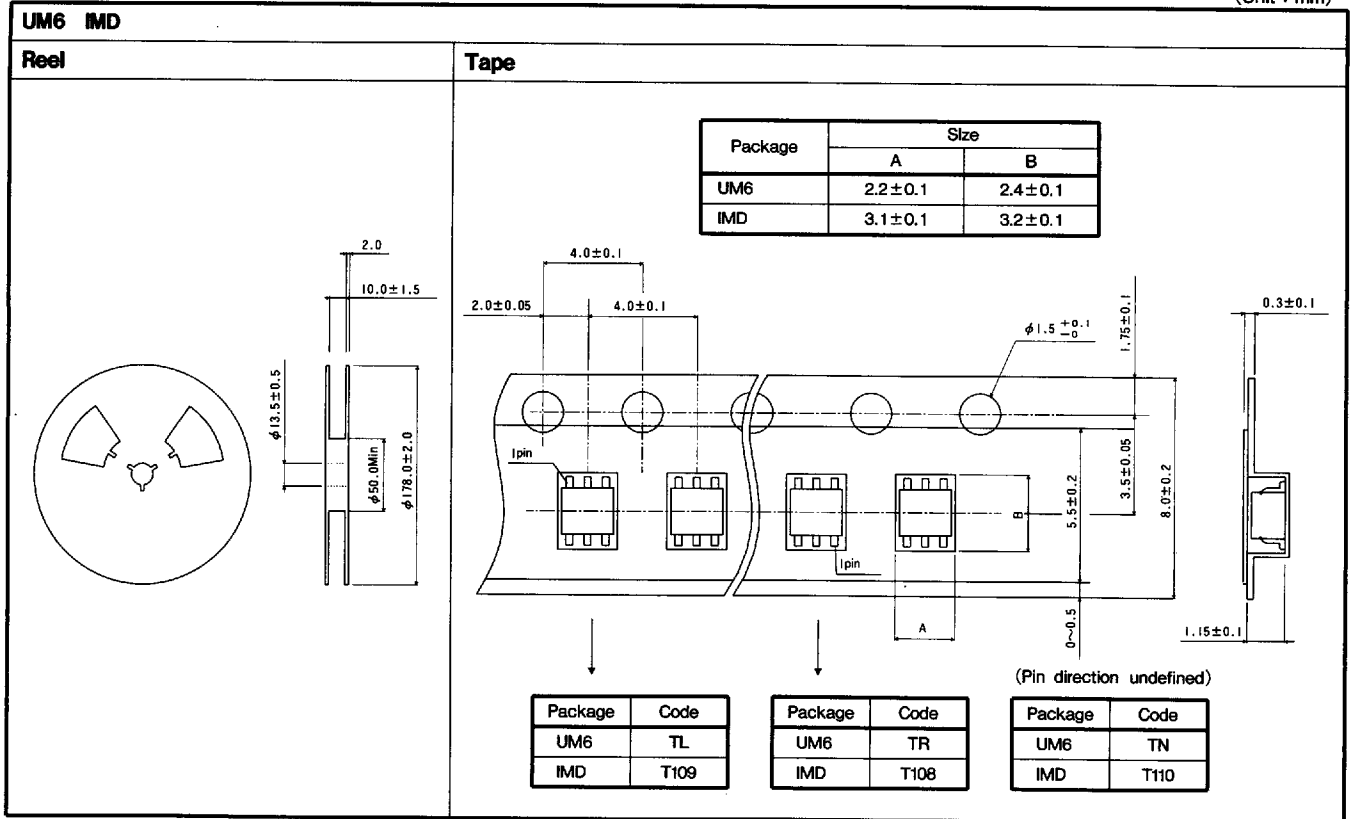
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●Packing

Package	Packaging type	Packaging condition	Direction	Code	Quantity/Package (pcs.)	Quantity/Unit (pcs.)
UM6	Taping	Embossed reel tape	1-pin side on feed hole side	TL	3000	-
			1-pin mark side opposite of feed hole side	TR		
			Non-directional	TN		
IMD	Taping	Embossed reel tape	1-pin mark side opposite of feed hole side	T108	3000	-
			1-pin side on feed hole side	T109		
			Non-directional	T110		

●Package Specifications

(Unit : mm)



●For Standard products and Semi-standard products see page from .76 to 78.

●For marking see page from 79 to 81.