

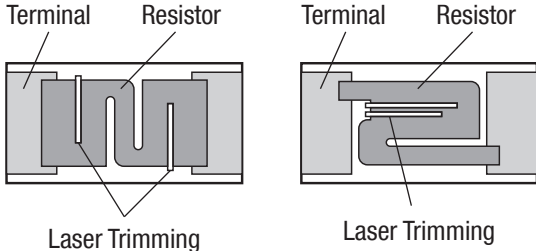
HIGH POWER SMD RESISTORS

DOWNSIZING AND COMPONENT-SAVING

ADDED VALUE

- > Downsizing & High Power Load
- > Components-Saving
- > Cost Saving
- > High Pulse Characteristics
- > High Voltage Characteristics
- > Excellent Heat Dissipation

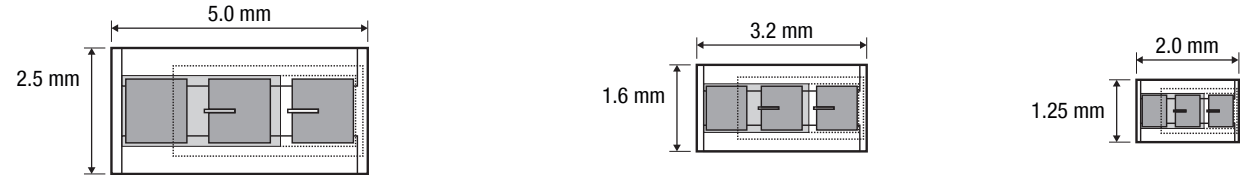
ANTI-SURGE TYPE STRUCTURE



1 E	2 R	3 J	4 P	5 0	6 6	7 D	8 1	9 0	10 0	11 2	12 V	Digit Part Number	
Product Code Thick Film Chip Resistors			Size, Power, Rating			Resistance Tolerance		Resistance Value			Packaging Methods		
Type Inch Power R.			Code Tolerance		The first two or three digits are significant figures of resistance and the third or fourth one denotes number of zeros following. Three digit type (±5%) Four digit type (±1.0%, ±0.5%) Example: 222 -> 2.2kΩ, 1002 -> 10kΩ			Code Packaging Type					
PA2 0402 0.20W P03 0603 0.20W PA3 0603 0.25W P06 0805 0.50W P08 1206 0.66W P14 1210 0.50W			D ±0.5% F ±1.0% J ±5.0%					X Punched Carrier Taping 2 mm pitch, 10,000 pcs. ERJPA2		V Punched Carrier Taping 4mm pitch, 5,000 pcs. ERJP03 ERJPA3 ERJP06 ERJP08		U Embossed Carrier Taping 4mm pitch, 5,000 pcs. ERJP14	

WIDE TERMINAL STRUCTURE TYPE

- > ERJB1,D1 (Size 1020)
- > ERJB2,D2 (Size 0612)
- > ERJB3 (Size 0508)



1 E	2 R	3 J	4 A	5 1	6 A	7 J	8 1	9 0	10 2	11 U	Digit Part Number		
Product Code Thick Film Chip Resistors			Size, Power, Rating			Resistance Value Region		Resistance Tolerance		Resistance Value		Packaging Methods	
Type Inch Power R.			A 100 ≤ R		F ±1.0% G ±2.0% J ±5.0%		Shown by three digits or letters. Only when it is possible, shown by four digits or letters. Ex.: 102: 1.0kΩ R01: 0.01 Ω = 10mΩ 4R7: 4.7Ω R015: 0.015Ω = 15mΩ			Code Packaging Type			
A1 1225 1.33W B1 1020 1W (2W; R≤100) B2 0612 0.75W (1W; R≤100) B3 0508 0.33W (0.5W; R≤100) D1 1020 2W D2 0612 1W			B 0.220 ≤ R < 100 C 0.010 ≤ R < 0.220 D 0.0050 ≤ R < 0.010					V Punched Carrier Taping 4mm pitch, 5,000 pcs. ERJB2 ERJB3 ERJD2		U Embossed Carrier Taping 4mm pitch, 5,000 pcs. ERJB1 ERJD1		U Embossed Carrier Taping 4mm pitch, 4,000 pcs. ERJA1	

FOR AUTOMOTIVE & HIGH RELIABILITY APPLICATIONS

- > Corresponding to AEC-Q200
- > High Power in small package
- > High Performance
- > Cost Saving
- > High Reliability
- > Wide Resistance Value
- > Excellent TCR
- > Down Sizing
- > Stability over life time
- > MELF Replacement

Panasonic Industry Europe GmbH
industry.panasonic.eu
Info.pieu@eu.panasonic.com

HIGH POWER SMD RESISTORS

Downsizing and Component-Saving Matrix

