

Z4PK560UH

● FEATURES

- * Halogen-free type
- * Compliance to RoHS product
- * Lead less chip form, no lead damage
- * Low power loss, High efficiency
- * High current capability
- * Plastic package has Underwriters Laboratory Flammability Classification 94V-0

● APPLICATION

- * Suitable for battery-powered circuits
- * Communication Equipment

● MECHANICAL DATA

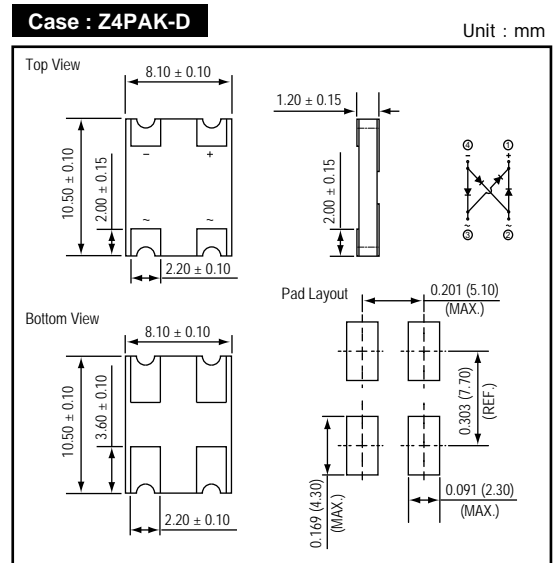
Case : Packed with FRP substrate and epoxy underfilled

Terminals : Pure Tin plated (Lead-Free), solderable per MIL-STD-750, Method 2026.

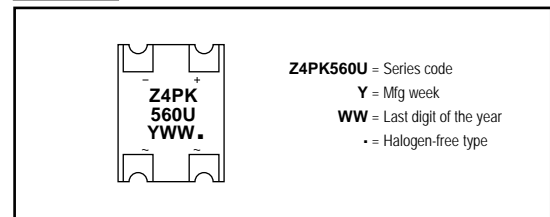
Polarity : Laser marking symbols

Weight : 0.29 gram

● OUTLINE DIMENSIONS



● MARKING



Absolute Maximum Ratings (Ta = 25 °C)

ITEM	Symbol	Conditions	Rating	Unit
Repetitive peak reverse voltage	VRRM		60	V
Average forward current	IF(AV)		5	A
Peak forward surge current	IFSM	8.3ms single half sine-wave	80	A
Operating junction and storage temperature Range	Tj,TSTG		-55 to +150	°C

Electrical characteristics (Ta = 25 °C)

ITEM	Symbol	Conditions	Min.	Typ.	Max.	Unit	
Forward voltage	VF	IF = 3.0A	-	0.45	-	V	
		IF = 5.0A	-	0.56	0.59		
Repetitive peak reverse current	IRRM	VR = Max. VRRM	Ta = 25 °C	-	0.08	0.15	mA
			Ta = 100 °C	-	5	-	
Thermal resistance	Rth(JA)	Junction to ambient (NOTE 1)	-	80	-	°C/W	
	Rth(JL)	Junction to lead (NOTE 1)	-	20	-		

NOTES : (1) Thermal resistance, junction to ambient, measured on PC board with 5.0 x 5.0mm (0.03mm thick) land areas.

(2) Preliminary specification.

FIG.1 - FORWARD CURRENT DERATING CURVE

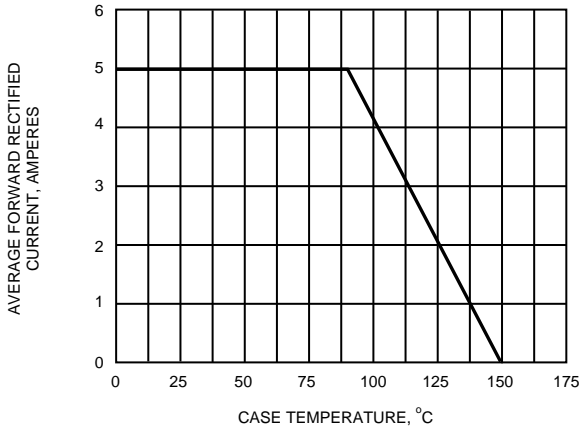


FIG.2 - MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT

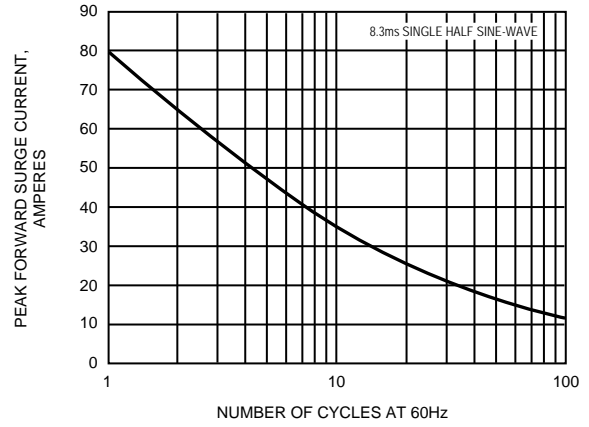


FIG.3 - TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

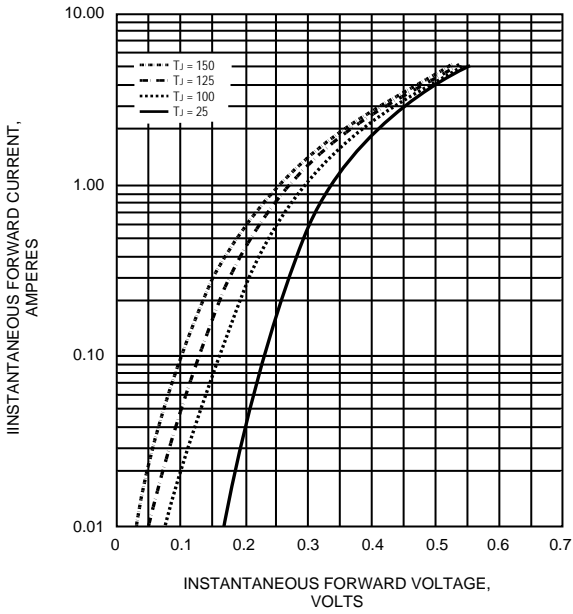


FIG.4 - TYPICAL REVERSE CHARACTERISTICS

