

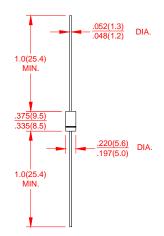
UF5400 THRU UF5408 VOLTAGE RANGE CURRENT S0 to 1000 Volts 3.0Ampere

FEATURES

- Low coat construction
- Fast switching for high efficency.
- Low reverse leakage
- High forward surge current capability
- High temperature soldering guaranteed: 260°C/10 secods/.375"(9.5mm)lead length at 5 lbs(2.3kg) tension

MECHANICAL DATA

- Case: Transfer molded plastic
- Epoxy: UL94V-O rate flame retardant
- Polarity: Color band denotes cathode end
- Lead: Plated axial lead, solderable per MIL-STD-202E method 208C
- Mounting position: Any
- Weight: 0.042ounce, 1.19 grams



Dimensions in inches and (millimeters)

DO-27

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

- Ratings at 25°C ambient temperature unless otherwise specified
- Single Phase, half wave, 60Hz, resistive or inductive load
- For capacitive load derate current by 20%

		SYMBOLS	UF 5400	UF 5401	UF 5402	UF 5403	UF 5404	UF 5405	UF 5406	UF 5407	UF 5408	UNITS
Maximum Repetitive Peak Reverse Voltage		V_{RRM}	50	100	200	300	400	500	600	800	1000	Volts
Maximum RMS Voltage		V_{RMS}	35	70	140	210	280	350	420	560	700	Volts
Maximum DC Blocking Voltage		V_{DC}	50	100	200	300	400	500	600	800	1000	Volts
Maximum Average Forward Rectified Current 0.375"(9.5mm) lead length at T_A = 55 $^{\circ}$ C		I _(AV)	3.0									Amp
Peak Forward Surge Current 8.3mS single half sine wave superimposed on rated load (JEDEC method)		I_{FSM}	125								Amps	
Maximum Instantaneous Forward Voltage @ 3.0A		V_{F}	1.0							Volts		
Maximum DC Reverse Current at Rated DC Blocking Voltage	$T_A = 25^{\circ}\mathrm{C}$	I_R	10									μА
	T _A = 125 °C	1 _R	50									
Maximum Reverse Recovery Time T _J = 25°C (NOTE 1)		trr	50 75							ns		
Typical Thermal Resistance (NOTE 2)		C_{J}	45								PF	
Typical Thermal Resistance(NOTE 3)		$R_{ heta JA}$	20								$^{\circ}\!$	
Operating Junction Temperature Range		T_J , T_{STG}	(-55 to +150)									$^{\circ}\!\mathbb{C}$

Notes:

- 1 Test Condition:IF=0.5A,IR=1.0A,IRR=0.25A
- 2. Measured at 1.0 MHz and applied reverse of 4.0 volts.
- 3 Thermal resistance from junction to ambient with .375"(9.5mm)lead length, P.C.B. mounted. .

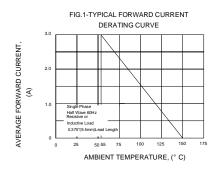
E-mail: sales@cnmic.com Web Site: www.cnmic.com

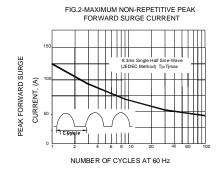


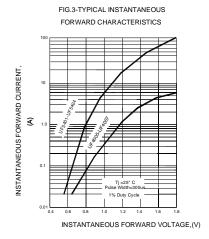
UF5400 THRU UF5408

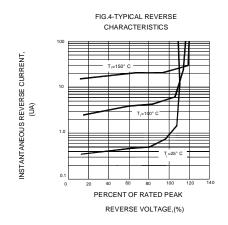
VOLTAGE RANGE CURRENT 50 to 1000 Volts 3.0Ampere

RATING AND CHRACTERISTIC CURVES UF5400 THRU UF5408









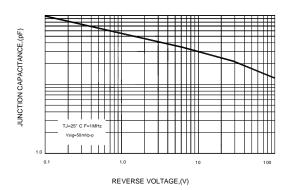
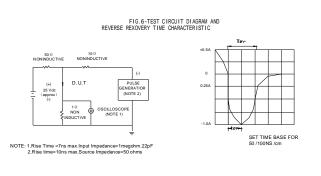


FIG.5-TYPICAL JUNCTION CAPACITANCE



E-mail: sales@cnmic.com Web Site: www.cnmic.com