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General Information

Series	FG-R01
Type	Current
Style	Through-Hole
Description	Fluxgate-Based Residual Current Sensor
Features	Open-loop, Fluxgate-Based Current Detection, PCB Mounting
Lead	6 Pin
RoHS	Yes
REACH	Yes
Qualifications	IEC
Storage Temperature Range	-40/+105°C

Dimensions

D	34.45mm NOM	Temperature Range	-40/+105°C
L	30.5mm MAX	Voltage DC	2.25 V (PIN3, Analog Output; typical)
W	49.85mm MAX	Power Supply Voltage	5 V +/- 5%
T	10.9mm MAX	Current	6 mA (MAX; DC Detection), 20 mArms (MAX, 55 Hz; AC Detection)
LL	3.5mm MAX	Sensitivity	40 V/A (PIN3, AOUT; typical)

Packaging Specifications

Packaging	Tray, Box	Frequency Range	150 Hz MAX (at -3 dB; PIN3 AOUT)
Packaging Quantity	300	Measuring Range	+/-50 mA
Typical Component Weight	20 g	AC Alarm Response Time	60 typical, 250 maximum (ms, @30 mArms); 20 typical, 100 maximum (ms, @60 mArms); 8 typical, 20 maximum (ms, @150 mArms); 7 typical, 10 maximum (ms, @264 mArms); 7 typical, 10 maximum (ms, > 5 Arms)
		DC Alarm Response Time	280 typical, 1000 maximum (ms, @6 mA); 24 typical, 250 maximum (ms, @60 mA); 6 typical, 15 maximum (ms, @300 mA)

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