

KEMET
a YAGEO company

[illegible]

General Information	
Series:	FG
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

Dimensions	
D	12.6mm NOM
L	31.5mm MAX
W	38.5mm MAX
T	13.5mm MAX
LL	3.2mm +/-0.4mm

Packaging Specifications	
Packaging:	Tray, Box
Packaging Quantity:	300
Component Weight:	20 g

Specifications	
Temperature Range:	-40/+85°C
Voltage DC:	2.25 V (PIN3, Analog Output; typical)
Power Supply Voltage:	5 V +/- 5%
Current:	6 mA (MAX; DC Detection), 20 mArms (MAX, 55 Hz; AC Detection)
Sensitivity:	40 V/A (PIN3, AOUT; typical)
Frequency Range:	150 Hz MAX (at -3 dB; PIN3 AOUT)
Measuring Range:	+/-50 mA
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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