



MAX14942GWE+

Part Number:	MAX14942GWE+
Manufacturer/Brand:	Maxim Integrated
Product description	DGTL ISO 5KV 16SOIC
Datasheets:	MAX14942GWE+.pdf
RoHs Status	Lead free / RoHS Compliant
Ship From	Hong Kong
Shipment Way	DHL/Fedex/TNT/UPS/EMS

REQUEST FOR QUOTATION

Specifications of MAX14942GWE+

PART NUMBER	MAX14942GWE+
MANUFACTURER	Maxim Integrated
DESCRIPTION	DGTL ISO 5KV 16SOIC
LEAD FREE STATUS / ROHS STATUS	Lead free / RoHS Compliant
DATA SHEET	MAX14942GWE+.pdf
VOLTAGE - SUPPLY	1.71 V ~ 5.5 V, 4.5 V ~ 5.5 V
VOLTAGE - ISOLATION	5000Vrms
TYPE	RS485
TECHNOLOGY	Capacitive Coupling
SUPPLIER DEVICE PACKAGE	16-SOIC
SERIES	-
RISE / FALL TIME (TYP)	15ns, 15ns (Max)
PULSE WIDTH DISTORTION (MAX)	-
PROPAGATION DELAY TPLH / TPHL (MAX)	68ns, 68ns
PACKAGING	Tube
PACKAGE / CASE	16-SOIC (0.295", 7.50mm Width)
OPERATING TEMPERATURE	-40°C ~ 105°C
NUMBER OF CHANNELS	3
MOUNTING TYPE	Surface Mount
MOISTURE SENSITIVITY LEVEL (MSL)	1 (Unlimited)
MANUFACTURER STANDARD LEAD TIME	24 Weeks
LEAD FREE STATUS / ROHS STATUS	Lead free / RoHS Compliant
ISOLATED POWER	No
INPUTS - SIDE 1/SIDE 2	2/1
DETAILED DESCRIPTION	RS485 Digital Isolator 5000Vrms 3 Channel 20Mbps 35kV/μs (Typ) CMTI 16-SOIC (0.295", 7.50mm Width)
DATA RATE	20Mbps
COMMON MODE TRANSIENT IMMUNITY (MIN)	35kV/μs (Typ)
CHANNEL TYPE	Unidirectional

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