## V Series Crystal



- 5.0mm x 3.2mm x 1.2mm 2 Pads Ceramic Package
- > RoHS Compliant
- Rugged AT-cut Crystal Construction
- > Tape and Reel Packaging Available

## **ELECTRICAL SPECIFICATIONS:**

## ESR CHART:

LECTRICAL SPECIFICA		ESR CHART.		
Frequency Range	12.000 MHz to 50.000 MHz			
Frequency Tolerance / Stability	(See Part Number Guide for Options)	Frequency Range	ESR (Ohms)	Mode / Cut
Operable Temperature	(See Part Number Guide for Options)	12.000MHZ to 30.000MHZ	60 Max	Fund / AT
Storage Temperature	-40°C to +85°C	30.001MHZ to 40.000MHZ	50 Max	Fund / AT
Aging	±5 ppm per year	40.001MHZ to 50.000MHZ	40 Max	Fund / AT
Shunt Capacitance	5 pF	40.00110112 10 50.00010112	40 Max	Fullu / A1
Load Capacitance	(See Part Number Guide for Options)			
Oscillation Mode	Fundamental			
Drive Level	10µW typ / 300 max	MARKING:		
Insulation Resistance	500 M ohms / 100 VDC	Line 1: MXX.XXX		
Shock	MIL-STD-883, Meth 2002, Cond B	XX.XXX = Frequency in MHz		
Solderability	MIL-STD-883, Meth 2003			
Solvent Resistance	MIL-STD-202, Meth 215	Line 2: SYMCCL		
Vibration	MIL-STD-883, Meth 2007, Cond A	S = Internal Code YM = Date Code (Year/Month)		
Gross Leak Test	MIL-STD-883, Meth 1014, Cond C	CC = Crystal Parameters Code		
Fine Leak Test	MIL-STD-883, Meth 1014, Cond A L = Denotes RoHS Compliant			
ECHANICALS DETAIL:			F	
	40 [.134] MAX 2.00 [.079] 2.40 [.094 DIMENSION IN BRACKETS ARE IN INCHES		RECOMMENDED LAND PATTERN	00 [.079]
5mm X 3.2 <u>Load Ca</u> S = Series 20 = 20pF (	(8pF to 50pF) $N = \pm 10$ ppm / $\pm 10$ ppm * Please consult with MMD sales dep	$B = -20^{\circ}C \text{ to } +70^{\circ}C$ $Blank =$	e Added Options No Added Options pe and Reel	]
	<b>mponents</b> , 30400 Esperar :: (949) 709-5075, Fax: (94 Sales@mr		rita, CA, 926 dcomp.com	988

Specifications subject to change without notice

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