

MVKP, MVKL, and MVKV Series



- Industry Standard Package
- Wide Frequency Range
- RoHS Compliant Available
- Less than 1 pSec Jitter

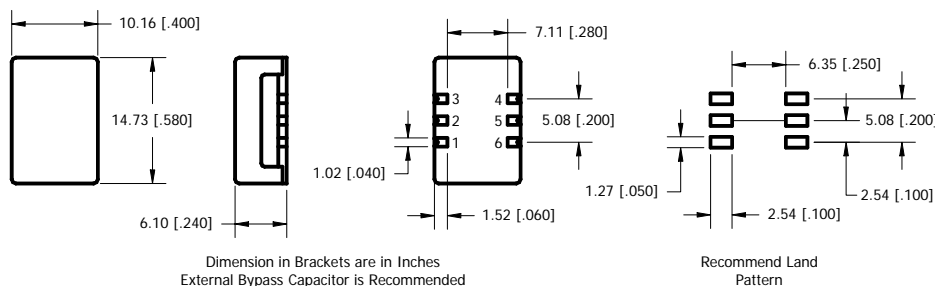


ELECTRICAL SPECIFICATIONS:

		LVDS	LVPECL	PECL
Frequency Range		70.000MHz to 800.000MHZ		
Frequency Stability*		(See Part Number Guide for Options)		
Operating Temp.Range		(See Part Number Guide for Options)		
Storage Temp. Range		-55°C to +125°C		
Aging		±5 ppm / yr max		
Logic "0"		1.43V typ	Vdd – 1.620 VDC max	Vdd – 1.620 VDC max
Logic "1"		1.10V typ	Vdd- 1.025 vdc min	Vdd- 1.025 vdc min
Supply Voltage (Vdd) Supply Current	+2.5VDC ± 5%	50 mA max	50 mA max	N/A
	+3.3VDC ± 5%	60 mA max	60 mA max	N/A
	+5.0VDC ± 5%	N/A	N/A	140 mA max
Symmetry (50% of waveform)		(See Part Number Guide for Options)		
Rise / Fall Time (20% to 80%)		2nSec max		
Load		50 Ohms into Vdd-2.00 VDC		
Start Time		10mSec max		
Phase Jitter (12kHz to 20MHz)		Less than 1 pSec		
Tri-State Operation		Vih = 70% of Vdd min to Enable Output Vil = 30% max or grounded to Disable Output (High Impedance)		
* Inclusive of Temp., Load, Voltage and Aging				

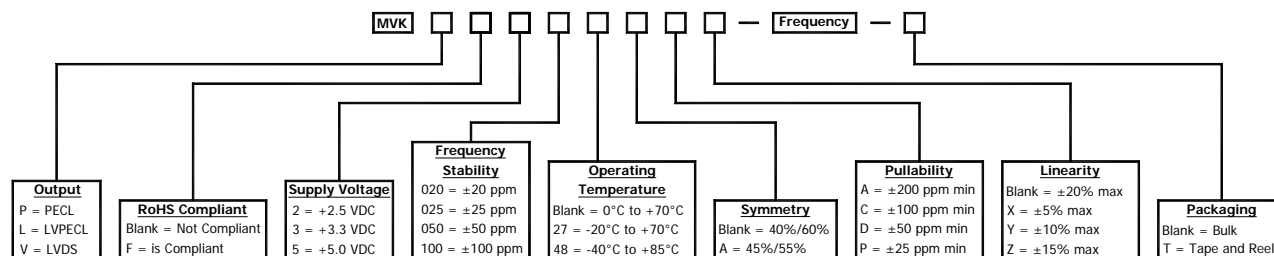
Control Voltage (Vc)	+2.5VDC	1.25VDC ±1.00VDC	1.25VDC ±1.00VDC	N/A
	+3.3VDC	1.65VDC ±1.50VDC	1.65VDC ±1.50VDC	N/A
	+5.0VDC	N/A	N/A	2.50VDC ±2.00VDC
Pullability		(See Part Number Guide for Options)		
Linearity		(See Part Number Guide for Options)		

MECHANICAL DIMENSIONS:



Pin Connections	
Pin 1	Voltage Control
Pin 2	N/C or Tri-state
Pin 3	Case Ground
Pin 4	Output
Pin 5	Complimentary Output
Pin 6	Supply Voltage (Vdd)

PART NUMBER GUIDE:



*Option B (47.5/52.5%) Available up to 500MHz only
Please Consult with MMD Sales Department for any other Parameters or Options

MMD Components, 30400 Esperanza, Rancho Santa Margarita, CA, 92688
Phone: (949) 709-5075, Fax: (949) 709-3536, www.mmdcomp.com
Sales@mmdcomp.com