5032 Ceramic SMD Crystals - Hybrid

■ Holder Type: DE (2 pads 5.0 x3.2)

Frequency Range:

8.00MHz to 54.00MHz

Features:

- High Reliability & Low Cost Unit
- Tight Stability & Extended Temperature Available
- Lead-free Type





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Actual Size



■ Standard Specifications

Item	Value
Frequency Range	8.00MHz to 54.00MHz
Frequency Tolerance	±30ppm (tighter tolerance also available)
Frequency Tolerance over Temperature range	±50ppm (tighter tolerance also available)
Operating Temperature Range	-10 °C to +60 °C (other operating range also available)
Operable Temperature Range	-40 °C to +85 °C
Equivalent Series Resistance (ESR)	Please refer to the ESR Table
Drive Level	50μW (0.001μW to 1000μW also available)
Load Capacitance	8pF (3pF, 4.5pF, 6pF and series also available)
Aging	±5ppm/year

■ ESR Table

Frequency Range (MHz)	Mode	Standard ESR (Ohm)			
8 to 14	AT Cut Fund.	135			
14 to 20	AT Cut Fund.	110			
20 to 26	AT Cut Fund.	90			
26 to 54	AT Cut Fund.	50			

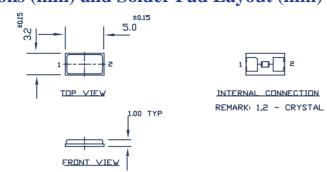
- 1. Manufacturer reserves the right to change the specification and content of this product for improvement without notification.
- 2. Custom specification is welcome. Please contact our sales representative for further details.
- 3. If the crystal is intended for applications which have direct impact on human life and properties, and require a high degree of reliability and safety concerns, customers must provide full information such as but not limit to the application, electrical and reliability specification at the inquiry beginning stage.
- 4. Customers have to agree to the "Guideline for handling crystal units" and "Standard Terms and Condition of Sales" which is printed this catalog before placing orders to our company or our distributors. There are also unpredictable factors such as applied condition, oscillation margin and etc and customers must check them beforehand. In case of queries, please do not fail to send inquiry to our company before ordering

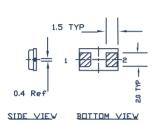


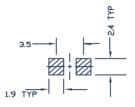


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■ Dimensions (mm) and Solder Pad Layout (mm)





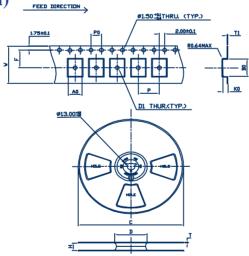


RECOMMENDED LAND PATTERN

MARKING INFORMATION

_XXXXXX = CRYSTAL FREQUENCY _BBB - 2~3 DIGITS BATCH CODE

■ Tape & Reel (mm)



		8×4.5		×5	6×3.5	5x		4×6		3.2×2.5	2.5×2.0
		CMS		MD	SMD	SMD		SMD		SMD	SMD
TAPE	PART NO.	48065002	480	55001	48060036	48065023		48065018		48065011	48065024
	W	16.00 ±0.3	16.00 🚓		16.00 103	12.00 183		12.00******		8.00±839	8.00±0.30
	Р	8.00±0.1	8.00±0.1		8.00±0.1	8.00±0.1		8.00±0.10		4.00±0.10	4.00±0.10
	A0	4.80±0.1	5.40±0.1		3.75±0.1	3.50±0.1		2.70±0.10		2.80±0.10	2.40±0.10
	BO	8.30±0.1	7.40±0.1		6,20±0.1	5.40±0.1		4.20±0.10		3.60±0.10	2.85±0.10
	K0	1.70±0.1	1.65±0.1		1.20±0.1	1.50±0.1		1.00±0.10		1.25±0.10	1.15±0.10
	PO	4.00±0.1	4.00±0.1		4.00±0.1	4.00±0.1		4.00±0.10		4.00±0.10	4.00±0.10
	F	7.50±0.1	7.50±0.1		7.50±0.1	5.50±0.1		5,50±0,10		3.50±0.10	3.50±0.10
	D1	1.50 ±8.18	1.50	=8:88	1.50 北船	1.50 ±818		1.50±010		1.00±0.00	1.00生85
	T1	0.30±0.05	0.30±0.05		0.30±0.05	0.30±0.05		0.30±0.05		0.20±0.05	0.25±0.05
R	PART NO.	48060024	4 4		8060050	48065020	48065026	48065020	48065026	4806	5015
F	С	Ø178.0±1			ø330±1		Ø330±1	Ø178±1	ø330±1	ø178±1	Ø178±1
Ē	D	Ø50.0±0.5			\$100.0±1	Ø60.0±0.5	Ø100.0±1	ø60.0±0.5	Ø100.0±1	ø60.0±0.5	Ø60.0±0.5
LH		16.5±0.5			6.5±0.5	13.1±0.2	12.5±0.5	13.1±0.2	12.5±0.5	9.5±0.8	9.5±0.8
	Т	1.50±0.2		2.3±0.3		1.2±0.2	2.3±0.3	1.2±0.2	2.3±0.3	1.2±0.2	1.2±0.2
STANDARD	PACKING	1000PCS		4000PCS		1000PCS	5000PCS	2000PCS	5000PCS	3000PCS	3000PCS
MAXIMUM QTY/		1300PCS 1300PCS 1	800PCS	4600PCS 4	800PCS 6300PCS	1400PCS	5500PCS	2100PCS	7600PCS	3500PCS	3800PCS

REMARK: IF MORE THAN ONE BATCH IN REEL, WHICH VILL BE DIFFERENT MARKING MATERIAL BLACK ANTI-STATIC POLYSTYRENE
THE APPERANCE OF THE REEL MAY BE DIFFERENT FROM THE DRAWING

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