8045 Ceramic SMD Crystals-Glass Frit

Frequency Range:

6.00MHz to 125.00MHz

Features:

- High Reliability & Low Cost Unit
- Tight Stability & Extended Temperature Available
- RoHS Compliant
- AEC-Q200 Stress Test Qualified Component
- Please contact our sales representative for special applications

Standard Specifications

■ Holder Type: P5 (2 pads 8.0×4.5)



Item	Value				
Frequency Range	6.00 to 125.00MHz				
Frequency Tolerance	±50ppm				
Frequency Tolerance over Temperature range	±100ppm / ±150ppm				
Operating Temperature Range	-40 °C to +85 °C / -40 °C to +125 °C				
Storage Temperature	-45 °C to +90 °C / -45 °C to +130 °C				
Equivalent Series Resistance (ESR)	Please refer to the ESR Table				
Drive Level	50µW Typ. (300µW Max.)				
Load Capacitance	8pF (3pF, 4.5pF, 6pF and series also available)				
Ageing	±5ppm/year				

ESR Table

Frequency Ran	nge (MHz)	Mode	Standard ESR (Ohm)			
6 to	8	AT Cut Fund.	150			
8 to	9	AT Cut Fund.	100			
9 to	10	AT Cut Fund.	60			
10 to	11	AT Cut Fund.	50			
11 to	13	AT Cut Fund.	40			
13 to	50	AT Cut Fund.	30			
26 to	125	3rd Overtone.	100			

Note:

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.

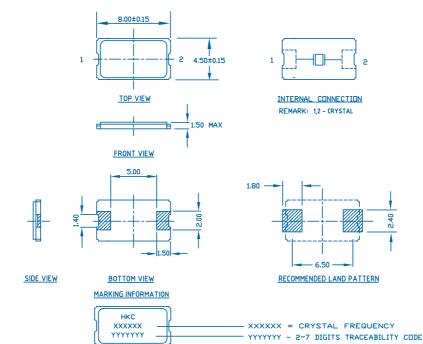
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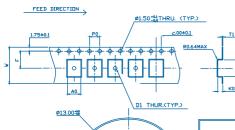
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Dimensions (mm) and Solder Pad Layout (mm)





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				8×4.5 SMD		×5 MD	6× SM
			PART NO	48065002	480	65001	48060
\sim			W	16.00 ^{+0.3} -0.1	16.0	o ±8:3	16.00
		т	Р	8.00±0.1	8.0	0±0.1	8.00:
		A	A0	4.80±0.1	5.4	0±0.1	3.75
<u> </u>	. ~	Р	BO	8.30±0.1	7.4	0±0.1	6.205
		E	K0	1.70±0.1	1.65	5±0.1	1.20:
			P0	4.00±0.1	4.00)±0.1	4.00:
			F	7.50±0.1	7.50±0.1		7.50:
C			D1	1.50 ±0.10	1.50 ±0.10		1.50
D D	T		T1	0.30±0.05	0.30)±0.05	0.30
		R E E	PART NO.	48060024		48060050	
			С	ø178.0±1		ø330±1	
			D	Ø50.0±0.5		Ø100.0±1	
		L	н	16.5±0.5		16.5±0.5	
			T	1.50±0.2		2.3±0.3	

		8×4.5 SMD		×5 MD	6×3.5 SMD	5× SM	3.2 D	4×8 SI	2.5 MD	3.2×2.5 SMD	2.5x2.0 SMD
	PART ND	48065002	48065001		48060036 48065023		6023	48065018		48065011	48065024
	W	16.00 ^{+0.3} -0.1	16.0	o ±8:3	16.00 ±0.3	12.00 18.3		12.00 ^{±0.30}		8.00 ^{+0.30}	8.00 ^{±0.30}
Т	T P 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			
Â	A0	4.80±0.1	5.4	0±0.1	3.75±0.1	3.50±0.1		2.70±0.10		2.80±0.10	2.40±0.10
P E	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
	P0	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 ±0.10	1.5	⊃ <u>±0.10</u>	1.50 ±0.10	1.50	+0.10 -0.00	1,50	+0.10 -0.00	$1.00_{-0.00}^{+0.10}$	1.00+0.25
	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 ND.	4806002	4	4	8060050	48065020	48065026	48065020	48065026	4806	5015
Ê	С	ø178.0±1			ø330±1	ø178±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	¢60.0±0.5
L	н	16.5±0.5		1	16.5±0.5 2.3±0.3		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	1.2±0.2
STANDARD QTY/	REEL	1000PCS		4000PCS		1000PCS	5000PCS	2000PCS	5000PCS	3000PCS	3000PCS
MAXIMUM QTY/		1300PCS 1300PCS	1800PCS	4600PCS4	800PCS 6300PCS	1400PCS	5500PCS	2100PCS	7600PCS	3500PCS	3800PCS

Ver. 1.1

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