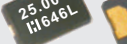


Crystal Units

SMD Seam Sealing Crystal Units

Model	Package size L x W x H(mm) Max	Frequency Range	Green products
NEW ETAB	 1.6*1.2*0.37	24~54MHz (Fund)	RoHS Compliant
HOT E1SB	 2.0*1.6*0.50	16~62.5MHz (Fund)	RoHS Compliant
HOT E2SB	 2.5*2.0*0.65	12~62.5MHz (Fund)	RoHS Compliant
HOT E3SB	 3.2*2.5*0.75	10~64MHz (Fund)	RoHS Compliant
E5SB	 5.0*3.2*0.90	8~54MHz (Fund)	RoHS Compliant

SMD Glass Sealing Crystal Units

Model	Package size L x W x H(mm) Max	Frequency Range	Green products
NEW E1FB	 2.0*1.6*0.60	16~62.5MHz (Fund)	RoHS Exemption
NEW E3FB	 3.2*2.5*1.00	8~10MHz (Fund)	RoHS Exemption
HOT E3FB	 3.2*2.5*0.90	10~64MHz (Fund)	RoHS Exemption
E5FA	 5.0*3.2*1.40	8~54MHz (Fund)	RoHS Exemption

49S Crystal Units

Model	Package size L x W x H(mm) Max	Frequency Range	Green products
E49A	 11.05*4.65*3.5	3.2~40MHz (Fund) 40~66MHz (3rd)	RoHS Compliant
E49B	 12.5*4.7*4.2	3.2~40MHz (Fund) 40~66MHz (3rd)	RoHS Compliant

Thermistor crystal units

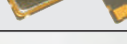
Model	Package size L x W x H(mm) Max	Frequency Range	Green products
NEW T2SB	 2.5*2.0*1.0	19.2/26/38.4/54MHz (Fund)	RoHS Compliant
NEW T1SB	 2.0*1.6*1.0	19.2/26/38.4/54MHz (Fund)	RoHS Compliant

Tuning Fork Crystal Units

Model	Package size L x W x H(mm) Max	Frequency Range	Green products
ETDA	 2.0*6.0	32.768KHz	RoHS Compliant
ETDB	 3.0*8.0	32.768KHz	RoHS Compliant
HOT ETST	 3.2*1.5*0.8	32.768KHz	RoHS Compliant
HOT ETDG	 2.0*1.2*0.6	32.768KHz	RoHS Compliant

Crystal Oscillators

SMD Crystal Oscillators (CMOS Output)

Model	Package size L x W x H(mm) Max	Frequency Range	Green products
NEW D1SX	 2.0*1.6*0.8	1~60MHz	RoHS Compliant
HOT D2SX	 2.5*2.0*0.9	1~62.5MHz	RoHS Compliant
HOT D3SX	 3.2*2.5*1.2	1~125MHz	RoHS Compliant
D5SX	 5.0*3.2*1.3	1~156.25MHz	RoHS Compliant
D7SX	 7.0*5.0*1.5	1~156.25MHz	RoHS Compliant

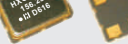
SMD 32.768KHz Crystal Oscillators (CMOS Output)

Model	Package size L x W x H(mm) Max	Frequency Range	Green products
DxSX	 2.0*1.6*0.8 2.5*2.0*0.9 3.2*2.5*1.2 5.0*3.2*1.3 7.0*5.0*1.5	32.768KHz	RoHS Compliant

SMD Crystal Oscillators (PECL Output)

Model	Package size L x W x H(mm) Max	Frequency Range	Green products
D3SP	 3.2*2.5*1.2	25~156.25MHz	RoHS Compliant
D5SP	 5.0*3.2*1.3	25~156.25MHz	RoHS Compliant
D7SP	 7.0*5.0*1.8	25~156.25MHz	RoHS Compliant

SMD Crystal Oscillators (LVDS Output)

Model	Package size L x W x H(mm) Max	Frequency Range	Green products
D3ST	 3.2*2.5*1.2	25~156.25MHz	RoHS Compliant
D5ST	 5.0*3.2*1.3	25~156.25MHz	RoHS Compliant
D7ST	 7.0*5.0*1.8	25~156.25MHz	RoHS Compliant

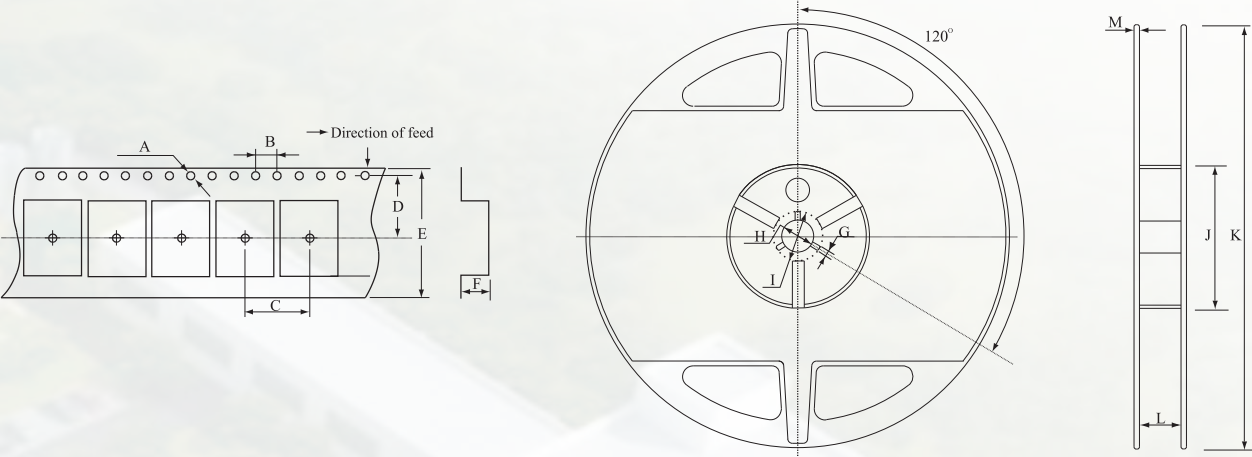
SMD Voltage ControlIde Crystal Oscillators (VCXO)

Model	Package size L x W x H(mm) Max	Frequency Range	Green products
D3SV	 3.2*2.5*1.2	1.75~61.44MHz	RoHS Compliant
D5SV	 5.0*3.2*1.3	1.75~54MHz	RoHS Compliant
D7SV	 7.0*5.0*1.8	1.75~200MHz	RoHS Compliant

TAPE AND REEL SPECIFICATION



FOR SMD PRODUCTS



TAPE SPECIFICATION

Unit:mm

Model	A	B	C	D	E	F	QTY/REEL
E49B	φ 1.50	4.0	12.0	11.5	24.0	4.35	1000
ETAB	φ 1.50	4.0	4.0	3.5	8.0	0.60	3000
E1SB, E1FB	φ 1.50	4.0	4.0	3.5	8.0	0.65	3000
E2SB, E2FB, E3SB	φ 1.50	4.0	4.0	3.5	8.0	1.0	3000
E3FB	φ 1.50	4.0	4.0	3.5	8.0	1.3	3000
E5FA, E5SB	φ 1.50	4.0	8.0	5.5	12.0	1.5	1000
ETST	φ 1.50	4.0	4.0	5.5	12.0	1.0	3000
ETDG	φ 1.50	4.0	4.0	3.5	8.0	0.85	3000
D1SX, T1SB	φ 1.50	4.0	4.0	3.5	8.0	0.9	3000
D2SX, T2SB	φ 1.50	4.0	4.0	3.5	8.0	1.15	3000
D3SX, D3SV	φ 1.50	4.0	4.0	3.5	8.0	1.3	3000
D5SX, D5SV, D5SP, D5ST	φ 1.50	4.0	8.0	5.5	12.0	1.5	1000
D7SX, D7SV, D7SP, D7ST	φ 1.50	4.0	8.0	7.5	16.0	2.0	1000

REEL SPECIFICATION

Model	G	H	I	J	K	L	M
E49B	2.5	φ 13.5	21.6	99.5	330	25.5	2.3
ETAB	2.5	φ 13.5	21.6	60.0	178	9.5	1.6
E1SB, E1FB	2.5	φ 13.5	21.6	60.0	178	9.5	1.6
E2SB, E2FB	2.5	φ 13.5	21.6	60.0	178	9.5	1.6
E3SB, E3FB	2.5	φ 13.5	21.6	60.0	178	9.5	1.6
E5FA, E5SB	2.5	φ 13.5	21.6	60.0	178	13.5	1.6
ETST	2.5	φ 13.5	21.6	60.0	178	13.5	1.6
ETDG	2.5	φ 13.5	21.6	60.0	178	9.5	1.6
D1SX, T1SB	2.5	φ 13.5	21.6	60.0	178	9.5	1.6
D2SX, T2SB	2.5	φ 13.5	21.6	60.0	178	9.5	1.6
D3SX, D3SV	2.5	φ 13.5	21.6	60.0	178	9.5	1.6
D5SX, D5SV, D5SP, D5ST	2.5	φ 13.5	21.6	60.0	178	13.5	1.6
D7SX, D7SV, D7SP, D7ST	2.5	φ 13.5	21.6	60.0	178	17.5	1.6

For more details,please visit our website at www.hosonic.com