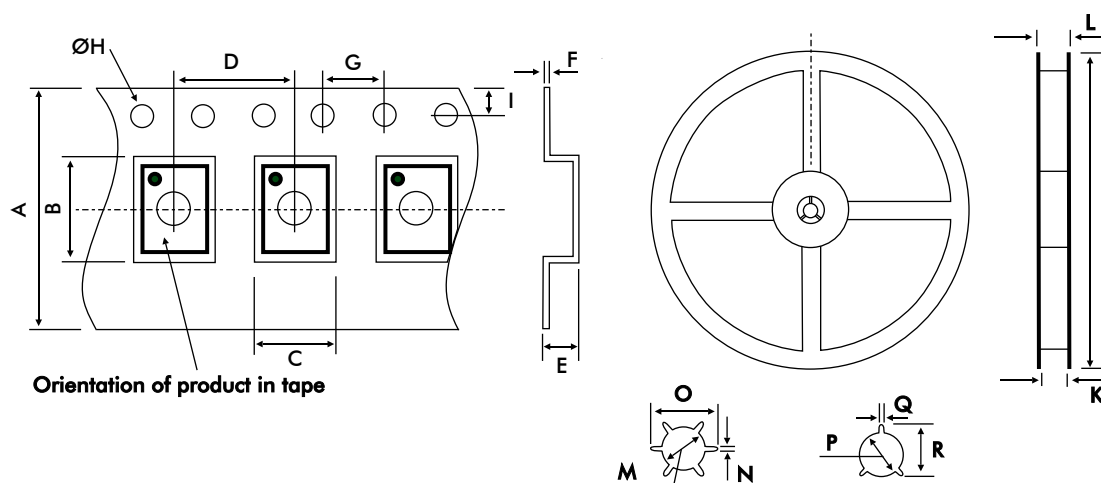
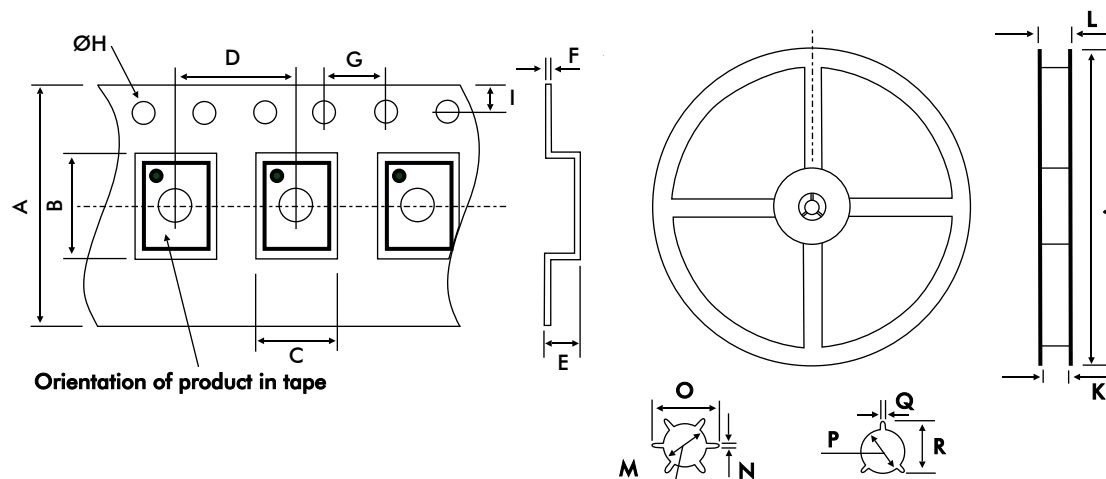


TAPE & REEL SPECIFICATIONS FOR OSCILLATORS
Outlines and Dimensions

Tape Dimensions (mm)

TYPE	A	B	C	D	E	F	G	H	I	pcs/reel
XO21	8.00	2.30	1.90	4.00	0.90	0.25	4.00	$\varnothing 1.50$	1.75	3000
XO22	8.00	2.80	2.25	4.00	1.10	0.30	4.00	$\varnothing 1.50$	1.75	3000
XO32	8.00	3.40	2.7	4.00	1.40	0.25	4.00	$\varnothing 1.50$	1.75	3000
XO53	12.0	5.3	3.6	8.0	1.4	0.3	4.0	$\varnothing 1.5$	1.75	1000
XO91	16.0	7.2	5.4	8.0	1.8	0.3	4.0	$\varnothing 1.5$	1.75	1000
H_576	16.0	7.2	5.4	8.0	1.8	0.3	4.0	$\varnothing 1.5$	1.75	1000
HP_576	16.0	7.2	5.4	8.0	1.8	0.3	4.0	$\varnothing 1.5$	1.75	1000
HD_576	16.0	7.2	5.4	8.0	1.8	0.3	4.0	$\varnothing 1.5$	1.75	1000
EH_JF538	12.00	5.30	3.60	8.00	1.40	0.30	4.00	$\varnothing 1.50$	1.75	3000
H_42	24.1	12.4	10.3	16.0	5.1	0.3	4.0	$\varnothing 1.45$	1.8	500
H_43	24.0	12.4	10.3	16.0	5.1	0.3	4.0	$\varnothing 1.45$	1.8	500

Reel Dimensions (mm)

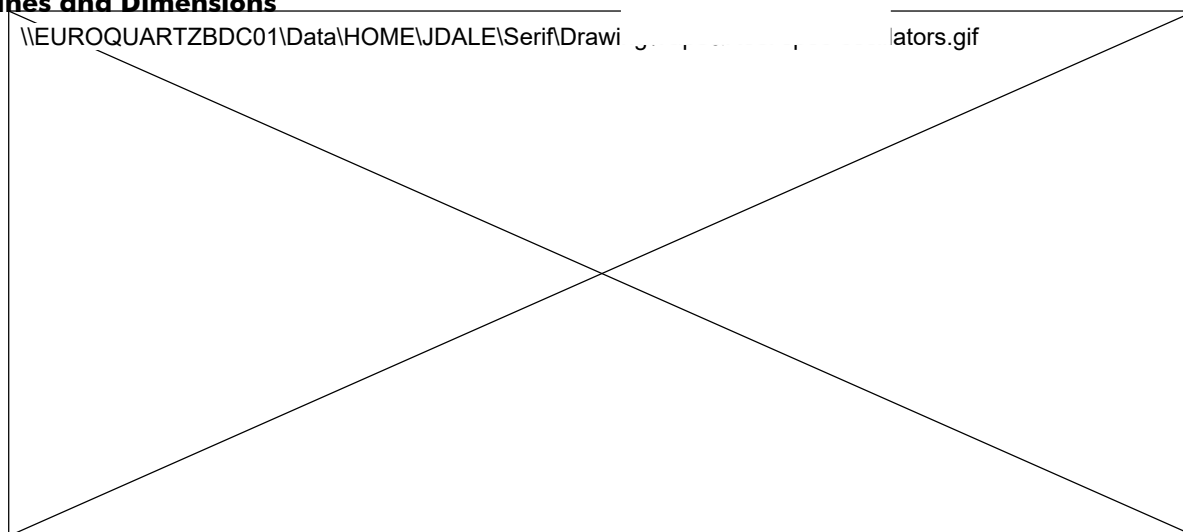
TYPE	J	K	L	M	N	O	P	Q	R	pcs/reel
XO21	180	9.0	12.0	-	-	-	13.0	2.5	20.2	3000
XO22	180	9.0	12.0	13.2	2.2	22.0	0	-	-	3000
XO32	180	12.8	17.0	13.2	2.2	22.0	-	-	-	3000
XO53	180	16.5	19.6	0	-	-	13.4	2.5	19.5	1000
XO91	180	16.5	19.6	0	-	-	13.4	2.5	19.5	1000
H_576	180	16.5	19.6	0	-	-	13.4	2.5	19.5	1000
HP_576	180	16.5	19.6	-	-	-	13.4	2.5	19.5	1000
HD_576	180	16.5	19.6	-	-	-	13.4	2.5	19.5	1000
EH_JF538	1800	13.0	16.0				13.0	2.5	20.2	1000
H_42	330	30.0	25.0	-	-	-	13.4	2.5	19.5	500
H_44	330	30.0	25.0	-	-	-	13.4	2.5	19.5	500

TAPE & REEL SPECIFICATIONS FOR CRYSTALS
Outlines and Dimensions

Tape Dimensions (mm) $\pm 0.3\text{mm}$

TYPE	A	B	C	D	E	F	G	H	I	pcs/reel
X21	8.00	2.30	1.90	4.00	0.60	0.20	4.00	$\varnothing 1.50$	1.75	3000
X22	8.00	2.80	2.25	4.00	1.10	0.30	4.00	$\varnothing 1.50$	1.75	3000
X32	8.00	3.40	2.70	4.00	1.40	0.25	4.00	$\varnothing 1.50$	1.75	3000
X42	12.00	4.30	2.80	8.00	1.00	0.30	4.00	$\varnothing 1.55$	1.75	1000
MJ	12.00	5.30	3.60	8.00	1.40	0.30	4.00	$\varnothing 1.55$	1.75	1000
MF	16.00	6.3	4.00	8.00	1.40	0.30	4.00	$\varnothing 1.50$	1.75	1000
MQ	16.00	7.20	5.40	8.00	1.80	0.30	4.00	$\varnothing 1.55$	1.75	1000
49USMX	24.00	15.00	5.00	12.00	4.25	0.40	4.00	$\varnothing 1.55$	1.75	1000
49USMXL	24.00	14.80	5.00	12.00	3.50	0.40	4.00	$\varnothing 1.55$	1.75	1000
MP4	24.00	13.30	5.10	12.00	4.20	0.40	4.00	$\varnothing 1.55$	1.75	1000
MP5	24.00	13.40	5.10	12.00	5.20	0.40	4.00	$\varnothing 1.55$	1.75	1000

Reel Dimensions (mm) $\pm 2\text{mm}$

TYPE	J	K	L	M	N	O	P	Q	R	pcs/reel
X21	178.0	8.40	11.40	-	-	-	13.0	2.5	20.5	3000
X22	178.0	8.40	11.40	-	-	-	13.0	2.5	20.5	3000
X32	180.0	9.00	12.00	-	-	-	13.2	2.1	-	3000
X42	180.0	13.00	16.00	-	-	-	13.2	2.5	-	1000
MJ	180.0	13.00	16.00	-	-	-	13.2	2.5	-	1000
MF	180.0	17.20	19.30	-	-	-	13.3	2.2	22.0	1000
MQ	180.0	17.20	19.30	-	-	-	13.3	2.2	22.0	1000
49USMX	330.0	24.50	29.10	-	-	-	13.0	2.2	17.3	1000
49USMXL	330.0	24.50	29.10	-	-	-	13.0	2.2	17.3	1000
MP4	330.0	24.50	29.10	-	-	-	13.0	2.2	17.3	1000
MP5	330.0	24.50	29.10	-	-	-	13.0	2.2	17.3	1000

TAPE & REEL SPECIFICATIONS FOR VCXOs & TCXOs
Outlines and Dimensions

Tape Dimensions (mm)

TYPE	A	B	C	D	E	F	G	H	I	pcs/reel
G_534	12.0	5.3	3.6	8.0	1.4	0.3	4.0	Ø1.5	1.75	1000
G_576	16.0	7.2	5.4	8.0	1.8	0.3	4.0	Ø1.5	1.75	1000
G_42	24.0	12.4	10.3	16.0	5.0	0.3	4.0	Ø1.4	1.8	500
G_43	24.0'	12.4	10.3	16.0'	5.0	0.3	4.0	Ø1.4	1.8	500
G_62	24.0'	12.4	10.3	16.0'	5.0	0.3	4.0	Ø1.4	1.8	500
G_64	24.0'	12.4	10.3	16.0'	5.0	0.3	4.0	Ø1.4	1.8	500
(V)EM_53	12.0	5.3	3.6	8.0	1.4	0.3	4.0	Ø1.5	1.75	1000
(V)EM_57	16.0	7.2	5.4	8.0	1.8	0.3	4.0	Ø1.5	1.75	1000
(V)EM_42	24.0	12.4	10.3	16.0'	5.0	0.3	4.0	Ø1.4	1.8	500
(V)EM_43	24.0	12.4	10.3	16.0	5.0	0.3	4.0	Ø1.4	1.8	500
(V)EM_62	24.0	12.4	10.3	16.0	5.0	0.3	4.0	Ø1.4	1.8	500
(V)EM_63	24.0	12.4	10.3	16.0	5.0	0.3	4.0	Ø1.4	1.8	500

Reel Dimensions (mm)

TYPE	J	K	L	P	Q	R	pcs/reel
G_534	179.0	16.5	19.6	13.4	2.5	19.5	1000
G_576	179.0	16.5	19.6	13.4	2.5	19.5	1000
G_42	330.0	30.0	25.0	13.4	2.5	19.5	500
G_43	330.0	30.0	25.0	13.4	2.5	19.5	500
G_62	330.0	30.0	25.0	13.4	2.5	19.5	500
G_64	330.0	30	25.0	13.4	2.5	19.5	500
(V)EM_53	179.0	16.5	19.6	13.4	2.5	19.5	1000
(V)EM_57	179.0	16.5	19.6	13.4	2.5	19.5	1000
(V)EM_42	330.0	30.0	25.0	13.4	2.5	19.5	500
(V)EM_43	330.0	30.0	25.0	13.4	2.5	19.5	500
(V)EM_62	330.0	30.0	25.0	13.4	2.5	19.5	500
(V)EM_63	330.0	30.0	25.0	13.4	2.5	19.5	500