

case outline drawings

TO1

TO3

TO5

TO18

TO33

TO36

TO39

TO46

TO59

TO61

TO63

TO66

TO72

TO92

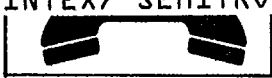
F8

Y220/TO220

NOTES:

1. Refer to rules for dimensioning semiconductor product outlines included in Publication No. 76.
2. Figure "A", Axial Terminal Configuration, applicable.
3. Figure "B", Peripheral Terminal Configuration, applicable.
4. Alternate lead configurations allowed within C and D.
5. Tab contour optional within M and P.
6. Chamfer optional.
7. Position of lead to be measured .050 - .055 below seating plane.
8. Position of lead to be measured .250 - .325 from bottom of dimension E.

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	P	Q	R	S	T	U	V	NOTES
Y220A	.140	.045	.020	.012	.840	.340					.180	.040	.530	.040			.050	.340	.127	.100	.580	2
TO220AA	.180	.075	.045	.045	.885	.420					.210	.055	.370	.115								
Y220B	.140	.045	.020	.012	.840	.340	.090	.190			.020	.285	.040	.420	.180							
TO220AB	.180	.075	.045	.045	.885	.420	.110	.210			.025	.370	.115	.480	.180							3
TO220B																						



case outline drawings cont'd

<p>D01-3</p>	<p>D013</p>	<p>D027</p>																																																																																																			
<p>D04</p>	<p>D035</p>	<p>D041</p>																																																																																																			
<p>D05</p>	<p>A249</p> <table border="1" data-bbox="1131 976 1387 1081"> <tr><th></th><th>A</th><th>B</th><th>C</th><th>D</th><th>E</th><th>F</th></tr> <tr><td>AA48A</td><td>1.87</td><td>1.87</td><td>1.87</td><td>1.87</td><td>1.87</td><td>1.87</td></tr> <tr><td>AA48B</td><td>1.98</td><td>1.98</td><td>1.98</td><td>1.98</td><td>1.98</td><td>1.98</td></tr> <tr><td>AA48C</td><td>2.09</td><td>2.09</td><td>2.09</td><td>2.09</td><td>2.09</td><td>2.09</td></tr> <tr><td>AA48D</td><td>2.20</td><td>2.20</td><td>2.20</td><td>2.20</td><td>2.20</td><td>2.20</td></tr> </table>			A	B	C	D	E	F	AA48A	1.87	1.87	1.87	1.87	1.87	1.87	AA48B	1.98	1.98	1.98	1.98	1.98	1.98	AA48C	2.09	2.09	2.09	2.09	2.09	2.09	AA48D	2.20	2.20	2.20	2.20	2.20	2.20																																																																
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<p>D07</p> <p>MILLIMETER DIMENSIONS ARE DERIVED FROM ORIGINAL INCH DIMENSIONS</p> <table border="1" data-bbox="313 1134 602 1249"> <thead> <tr> <th rowspan="2">SYMBOL</th> <th colspan="2">INCHES</th> <th colspan="2">MILLIMETERS</th> <th rowspan="2">NOTES</th> </tr> <tr> <th>MIN.</th> <th>MAX.</th> <th>MIN.</th> <th>MAX.</th> </tr> </thead> <tbody> <tr><td>B</td><td>.012</td><td>.023</td><td>0.458</td><td>0.558</td><td>1</td></tr> <tr><td>B0</td><td>.005</td><td>.107</td><td>2.16</td><td>2.71</td><td>1</td></tr> <tr><td>C</td><td>.739</td><td>.748</td><td>5.85</td><td>7.62</td><td>1</td></tr> <tr><td>L</td><td>1.000</td><td>-</td><td>25.40</td><td>-</td><td>1</td></tr> <tr><td>L1</td><td>-</td><td>.050</td><td>-</td><td>1.27</td><td>2</td></tr> </tbody> </table>	SYMBOL	INCHES		MILLIMETERS		NOTES	MIN.	MAX.	MIN.	MAX.	B	.012	.023	0.458	0.558	1	B0	.005	.107	2.16	2.71	1	C	.739	.748	5.85	7.62	1	L	1.000	-	25.40	-	1	L1	-	.050	-	1.27	2	<p>C212</p>	<p>C223</p> <p>SPACED ON 200 (51) CENTERS</p> <p>LEADS 0.50 (12.7) DIA</p> <p>250 (63.5) DIA</p> <p>750 (191.5) DIA</p> <p>DIMENSIONS IN INCHES AND MILLIMETERS</p>																																																											
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<p>D08</p>	<p>F22</p>	<table border="1" data-bbox="1131 1543 1420 1732"> <thead> <tr><th></th><th>A</th><th>B</th><th>C</th><th>D</th><th>E</th><th>F</th><th>G</th><th>H</th></tr> </thead> <tbody> <tr><td>F22A</td><td>1.87</td><td>1.87</td><td>1.87</td><td>1.87</td><td>1.87</td><td>1.87</td><td>1.87</td><td>1.87</td></tr> <tr><td>F22B</td><td>1.98</td><td>1.98</td><td>1.98</td><td>1.98</td><td>1.98</td><td>1.98</td><td>1.98</td><td>1.98</td></tr> <tr><td>F22C</td><td>2.09</td><td>2.09</td><td>2.09</td><td>2.09</td><td>2.09</td><td>2.09</td><td>2.09</td><td>2.09</td></tr> <tr><td>F22D</td><td>2.20</td><td>2.20</td><td>2.20</td><td>2.20</td><td>2.20</td><td>2.20</td><td>2.20</td><td>2.20</td></tr> <tr><td>F22E</td><td>2.31</td><td>2.31</td><td>2.31</td><td>2.31</td><td>2.31</td><td>2.31</td><td>2.31</td><td>2.31</td></tr> <tr><td>F22F</td><td>2.42</td><td>2.42</td><td>2.42</td><td>2.42</td><td>2.42</td><td>2.42</td><td>2.42</td><td>2.42</td></tr> <tr><td>F22G</td><td>2.53</td><td>2.53</td><td>2.53</td><td>2.53</td><td>2.53</td><td>2.53</td><td>2.53</td><td>2.53</td></tr> <tr><td>F22H</td><td>2.64</td><td>2.64</td><td>2.64</td><td>2.64</td><td>2.64</td><td>2.64</td><td>2.64</td><td>2.64</td></tr> <tr><td>F22I</td><td>2.75</td><td>2.75</td><td>2.75</td><td>2.75</td><td>2.75</td><td>2.75</td><td>2.75</td><td>2.75</td></tr> <tr><td>F22J</td><td>2.86</td><td>2.86</td><td>2.86</td><td>2.86</td><td>2.86</td><td>2.86</td><td>2.86</td><td>2.86</td></tr> </tbody> </table>		A	B	C	D	E	F	G	H	F22A	1.87	1.87	1.87	1.87	1.87	1.87	1.87	1.87	F22B	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	F22C	2.09	2.09	2.09	2.09	2.09	2.09	2.09	2.09	F22D	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	F22E	2.31	2.31	2.31	2.31	2.31	2.31	2.31	2.31	F22F	2.42	2.42	2.42	2.42	2.42	2.42	2.42	2.42	F22G	2.53	2.53	2.53	2.53	2.53	2.53	2.53	2.53	F22H	2.64	2.64	2.64	2.64	2.64	2.64	2.64	2.64	F22I	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75	F22J	2.86	2.86	2.86	2.86	2.86	2.86	2.86	2.86
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